

C.CRANE

AE Wi-Fi Internet Radio

Quick Start Guide



**PLEASE READ ALL THE INSTRUCTIONS COMPLETELY BEFORE USE
AND SAVE THIS GUIDE FOR FUTURE REFERENCE.**

Introduction

Thank you for purchasing your AE Wi-Fi Internet Radio from the C. Crane Company. You will now be able to receive stations from all over the globe. We have written this to help you get started with your new radio and to answer the most frequently asked questions about the AE Wi-Fi Internet Radio. For other details and instructions, please refer to the instruction manual or visit www.ccrane.com/internet-radio

Please read this Quick Start Guide and if you still have questions call us at 1-800-522-8863.

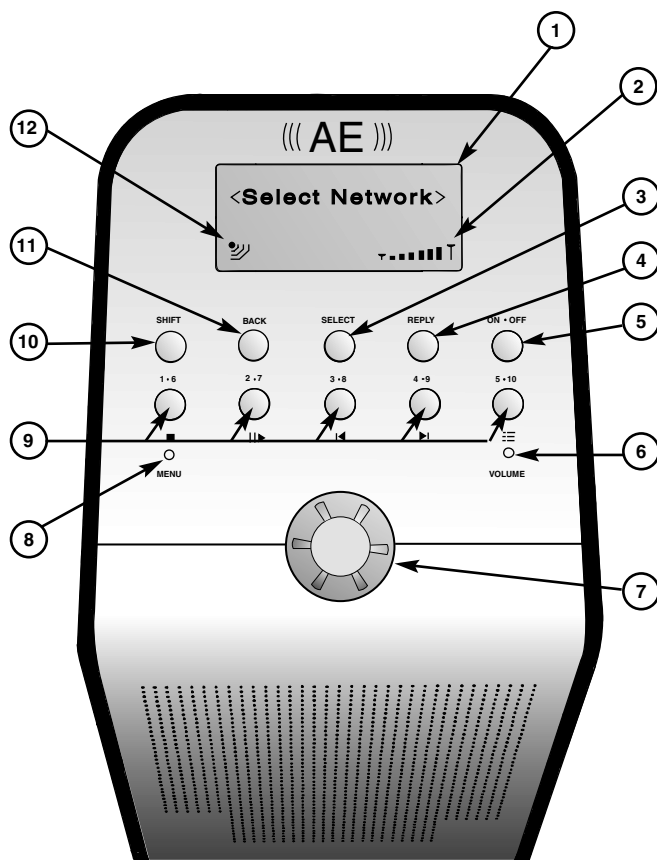
Updates to this Quick Start Guide will be available at www.ccrane.com/internet-radio

Prerequisites

Operation of the AE Wi-Fi Internet Radio requires the following:

1. A Broadband Wireless (Wi-Fi) Internet Access with a wireless router or a wireless modem.
2. Network Information. (This is only required if your wireless network is using security encryption.)
 - a. Network Name (ESSID) and
 - b. Wireless Network Encryption Password

Control Identification



Control Identification

- | | |
|-------------------------------------|------------------------------|
| 1) Display | 7) Tuning/Volume Knob |
| 2) Router Signal Strength Indicator | 8) Menu Indicator Light |
| 3) Select Button | 9) Preset Buttons 1-10 |
| 4) Reply Button | 10) Shift Button |
| 5) On/Off Button | 11) Back Button |
| 6) Volume Indicator Light | 12) Wireless Ready Indicator |

Getting Started

Please refer to the Control Identification Diagram on page 3.

- 1) Assemble the AC Adapter with the proper plug required by your wall outlet. The plug piece slides down into the top of the adapter and should click into place. Slide the lock switch to the LOCK position to keep the plug from disconnecting.
- 2) Plug the AC Adapter into the DC jack on the back of the radio.
- 3) The screen will display **Reciva Radio ARM Powered**.
- 4) The screen will then display **<Select Network>**. Next, press the Select Button, and the screen will display **<Scan>**. Press the Select Button again.
- 5) The screen will display **Scanning** and a progress bar. If there are any wireless networks broadcasting in your area, they will be displayed. Turn the Tuning Knob to display the networks that were found. To select a network, press the Select Button.

Example: <network_1>, <network_2> and <network_3> are found. You have decided to use <network_3>.

Turn the Tuning Knob until <network_3> is displayed. Press the Select Button to choose <network_3>.

- 6) If a password is required, the screen will display **<Encryption Key Required>**. Enter your wireless network encryption password to access your network. If no password is required, the screen will display **<Connecting to Network>** and then the screen will display **<Stations>**.

Note: If the name of your network is not being broadcast for security reasons and it does not show up after scanning, or you are unable to connect, skip to Advanced Network Security Setup on page 7.

Note: Passwords must be entered as case specific. (If you originally entered the password into your router in lower case letters, you must enter the password into the radio using lower case letters also. The same method applies if you used capital letters or a combination.)

Tuning To A Station

Once the radio has connected to the network, and the screen will display **<Stations>**. (This menu also displays **<Configure>** and **<Media Player>**. Turn the Tuning Knob to scroll through these menu options.) Press the Select Button when **<Stations>** is displayed.

Radio stations can be found through two different menus: by Location or Genre. The screen will display **<Location>**. Turn the Tuning Knob to the option you prefer.

Location definition: Stations are organized by Continent of broadcast (continent is used loosely): Africa, Americas, Asia, Caribbean, Europe, Middle East, and Oceania. Oceania encompasses Australia, New Zealand, Polynesia, Fiji, Indonesia, Micronesia, and many other small island nations in the Pacific. After you have selected a continent, the list of available countries within that continent will be displayed. At present, there are 120 countries in this list.

Genre definition: Stations are organized by type: 60s, 70s, 80s, 90s, Rock, Talk, Pop, News, Blues, Country, Dance Easy, Folk, Gospel, Greek, Indie, Jazz, Kids, Public, Reggae, Top 40, Varied, World, and 31 others, at this time.

Tuning Example

For this example we will tune to a station named Radio Paradise, using **<Genre>**. (It can also be accessed through **<Location>**.)

- 1) Once the screen displays **<Genre>**, press the Select Button.
- 2) Turn the Tuning Knob until **<Classic Rock>** is displayed (the Genres are ordered alphabetically). Press the Select Button.
- 3) The screen will indicate that it is **Loading** and show a twirling icon.
- 4) Once the screen displays the first station in the list, turn the Tuning Knob knob until **<Radio Paradise>** is displayed (stations are ordered alphabetically). Press the Select Button. It may take up to 20 – 60 seconds to connect to the station.

After the radio has connected to your chosen station and buffering is

Continued on page 6

Tuning To A Station (continued)

complete, the station is now tuned in. Once a station is selected the Tuning Knob now acts as a Volume Knob.

Note: Some radio stations do not broadcast 24 hours a day, and some stations are not always on-line.

Just for fun: Since all of these stations broadcast via the internet, many have excellent websites. Since we used Radio Paradise as the example, we recommend visiting their site¹ at <http://www.radioparadise.com> If you go to their site, choose playlist and you can see the names of songs and artists that have been played over the last several hours.


¹Please note that C. Crane and Acoustic Energy do not in any way control the content of radio stations' playlists or websites.

Presetting A Station

- 1) First choose a station that you wish to preset.
- 2) After the station has been selected and is playing, press and hold a preset button for 8 seconds (see Control Identification on page 3).
- 3) The display will confirm that a station has been preset to the desired location.

Note: To set a station in the preset location 6-10, you must first press and release the Shift Button once before pressing and holding the desired preset.

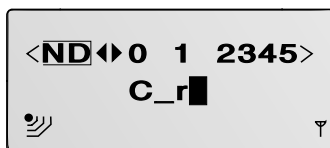
Advanced Network Security Setup

- 1) Press the back button until **<Configure>** is displayed on the screen. (This menu also displays **<Stations>** and **<Media Player>**. Turn the Tuning Knob to scroll through these menu options.) Press the Select Button.
- 2) **<Network Config>** is now displayed. Press the Select Button.
- 3) **<Select Network>** is now displayed. Press the Select Button.
- 4) **<Scan>** is now displayed. Turn the knob to **<Enter ESSID>** Press the Select Button.
- 5) **<Encrypted>** is now displayed. Press the Select Button if your Wireless Network requires a password for access. Otherwise, turn the Tuning Knob until **<Open Access>** is displayed. Press the Select Button.
- 6)  will be displayed. Turn the Tuning Knob to rotate through the available letters, numbers and characters for the ESSID (network name). The number or letter that appears in the center of the display and above the cursor when the Tuning Knob is turned is the one that will be centered when the Select Button is pressed.

ESSID (network name)

Example: **C_r1**

- a. Turn the Tuning Knob so that the capital **C** is displayed in the center and press the Select Button.
- b. Turn the Tuning Knob to the underscore **_** character and press the Select Button.
- c. Turn the Tuning Knob to the lowercase **r** and press the Select Button.
- d. Turn the Tuning Knob to the number **1** and press the Select Button.



Continued on page 8

Advanced Network Security Setup (continued)

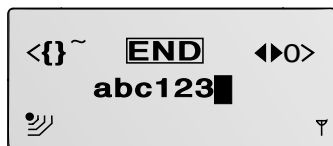
- e. Turn the Tuning Knob so that the word **END** is displayed in the center and press the Select Button.

The ESSID (network name) is now setup.

<Encryption key required>

Example:

Network Access Password = abc123



- a. Turn the Tuning Knob that the lowercase **a** is displayed in the center and press the Select Button.
- b. Turn the Tuning Knob to the lowercase **b** and press the Select Button.
- c. Turn the Tuning Knob to the lowercase **c** and press the Select Button.
- d. Turn the Tuning Knob to the number **1** and press the Select Button.
- e. Turn the Tuning Knob to the number **2** and press the Select Button.
- f. Turn the Tuning Knob to the number **3** and press the Select Button.
- g. Turn the Tuning Knob so that the word **END** is displayed in the center and press the Select Button.

Note: The network name and password are case sensitive. If the screen displays **“Network Error, wireless Config invalid. Bad ESSID or wrong key”** the password is incorrect. Double check the password for special characters and upper and lowercase characters.

If this does not work, you may have to call your router company. Explain that you are an internet radio owner and are trying to connect this device to your wireless network and they can help you troubleshoot your network settings.

Once the radio is connected to the network, return to the section for **“Tuning To a Station”** on page 5.

Adding Stations

You may add internet stations of your choice to the Reciva database by entering the Internet address (below) into the address bar located in your computer's Web Browser. After completing the "Add Station" form, your request should take about 3 to 4 days to process.

<http://www.reciva.com> and click on Add Station tab.

Firmware Upgrades

Firmware upgrades are occasionally available for your radio. It is recommended to upgrade to the latest firmware programming to obtain new accessibility features and repair past programming glitches. These upgrades can easily be made through your radio's menu.

To upgrade, follow these steps:

- 1) Press the Back Button until either <Stations>. <Configure>. or <Media Player> is displayed.
- 2) Turn the Tuning Knob until <Configure> is displayed; then press the Select Button.
- 3) Turn the Tuning Knob until <Upgrade Firmware> is displayed; then press the Select Button.
- 4) "Are you sure? YES or NO" will be displayed. Turn the Tuning Knob to YES and then press the Select Button.

The upgrade process may take 5-15 minutes before it is complete. It will either freeze with **Upgrading Firmware** on the display, or it will go blank. The radio will then restart and be ready to use.

NOTE: DO NOT TURN THE RADIO OFF DURING THIS PROCESS, AS IT MAY RENDER THE RADIO INOPERABLE.

Frequently Asked Questions

For more FAQs visit us online at www.ccrane.com/faqs or www.reciva.com and click on Help.

Q: How do I reset the Wi-Fi Radio back to factory defaults?

A: Hit the back key several times until you get to the top menu, which should display one of the following three choices: **<Configure>**, **<Stations>**, or **<Media Player>**. Chose **<Configure>** by turning the Tuning Knob, then press the Select Button. Turn the Tuning Knob again until **<Factory Reset>** is displayed, then press the Select Button again. **<Factory Reset Complete>** should now be displayed. You must wait for the radio to restart before the reset is indeed complete.

Q: Why does my radio constantly buffer or stop playing when listening to a radio station?

A: This is a good indicator that your wireless network may have some problems. Strong interference can sometimes distort the connection between your wireless router and the Wi-Fi radio causing a deficit of consistent signal. In this case, the radio will need to buffer in order to catch up to the playable stream. Another less likely cause for buffering takes place when the Internet radio station is unreliable or has gaps in the audio stream.

Q: When I enter my encryption key into the radio an error message appears and the radio does not connect. What am I doing wrong?

A:

1. Be sure that you enter the correct wireless encryption password stated in the wireless settings of your router.
2. Be sure that your router is *not* configured to 802.11n, 802.11a, WPA2 encryption, Shared Key, or AES.
3. Strong wireless interference may be disrupting your wireless signal. Try changing the broadcast channel on your router.
4. Check to make sure that your router is configured to "Enable DHCP" mode. (You may need to contact the maker of your router for technical assistance.
5. Contact your system administrator or router maker/provider.
6. Try resetting the radio back to factory defaults (see above).

Frequently Asked Questions (continued)

- Q:** Is there a “Navigation Map” for the AE Wi-Fi Radio that shows me how to get from one option to the next?
- A:** Yes, C. Crane has one posted on the internet as a PDF. Go to ccrane.com/acoustic-energy-wi-fi-internet-radio and click on Acoustic Energy Wi-Fi Internet Radio Menu Flow Chart.

Troubleshooting

For troubleshooting visit us online at www.ccrane.com/faqs and click on Acoustic Energy Wi-Fi Radio.

Glossary

Wireless Network (Wi-Fi):

Wi-Fi is short for “wireless fidelity” and is used as a term to describe wireless device networking. Wi-Fi has gained recognition in many environments as an alternative to a wired Network. Many airports, hotels, coffee shops, town centers and other services offer public access to Wi-Fi networks so people can log onto the Internet to receive emails or surf the World Wide Web on the move. These locations are known as hotspots. The big advantage of Wi-Fi is its simplicity. You can connect computers, internet radios, or other devices wherever you wish in your home or office without using wires. The Wi-Fi devices then connect to a wireless network via a router or modem using radio signals.

ESSID (Network Name):

Acronym that stands for Extended Service Set Identifier. It is your network name. A code is attached to all packets on a wireless network to identify each packet as part of that network.

WEP:

Wired Equivalency Privacy and it is the most basic security protocol for Wi-Fi networks.

WPA:

Wi-Fi Protected Access (WPA) is a stronger data encryption specification for 802.11 wireless networks that replaces the weaker WEP.

WPA2:

A stronger encryption specification for wireless networks. **Not currently supported on this radio.**

C.CRANE

C. Crane Company Inc.
1001 Main Street
Fortuna, CA 95540
800-522-8863
www.ccrane.com

REV 08/06